

## INTERNATIONAL SEARCH REPORT

International Publication No.

PCT/CH 03/00153

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N9/10 C12P21/00 C12N15/70

Rec'd PCT/PTO 03 SEP 2004

10/506917

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

BIOSIS, EPO-Internal, MEDLINE, EMBASE, WPI Data, PAJ, PASCAL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                                          | Relevant to claim No. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X          | SZYMANSKI C M ET AL: "EVIDENCE FOR A SYSTEM OF GENERAL PROTEIN GLYCOSYLATION IN CAMPYLOBACTER JEJUNI" MOLECULAR MICROBIOLOGY, BLACKWELL SCIENTIFIC, OXFORD, GB, vol. 32, no. 5, 1999, pages 1022-1030, XP008012013<br>ISSN: 0950-382X<br>page 1024, left-hand column, paragraph 3; figure 2 | 1-8                   |
| A          | WO 00 52135 A (COLEMAN TIMOTHY A ; HUMAN GENOME SCIENCES INC (US); JARVIS DON (US))<br>8 September 2000 (2000-09-08)<br>claim 45                                                                                                                                                            | 1-8                   |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

\*Z\* document member of the same patent family

Date of the actual completion of the international search:

9 May 2003

Date of mailing of the international search report

19/05/2003

Name and mailing address of the ISA

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## INTERNATIONAL ARCH REPORT

Internal/ Application No

PCT/CH 03/00153

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                                                                                                                      | Relevant to claim No. |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| A          | WACKER MICHAEL ET AL: "PglB, an oligosaccharyltransferase in the eubacterium Campylobacter jejuni?" GLYCOBIOLOGY, vol. 11, no. 10, October 2001 (2001-10), page 871 XP009010488<br>6th Annual Conference of the Society for Glycobiology; San Francisco, California, USA; November 14-17, 2001<br>ISSN: 0959-6658<br>the whole document | 1-8                   |
| A          | US 2002/019342 A1 (BAYER ROBERT)<br>14 February 2002 (2002-02-14)                                                                                                                                                                                                                                                                       |                       |
| P, X       | WACKER M ET AL: "N-linked glycosylation in Campylobacter jejuni and its FUNCTIONAL TRANSFER INTO E.COLI" SCIENCE, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, US, vol. 298, 29 November 2002 (2002-11-29), pages 1790-1793, XP002225920<br>ISSN: 0036-8075<br>the whole document                                              | 1-8                   |

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## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CH 03/00153**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☒ Claims Nos.: 9-13  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

International Application No. PCT/CH 03 00153

## FURTHER INFORMATION CONTINUED FROM PCT/SA/ 210

Continuation of Box I.2

Claims Nos.: 9-13

Claims 9-13 refer in a very general manner to proteins for pharmaceutical purposes, vaccines, nutritional proteins etc. and medical uses of said proteins without giving a true technical characterization. As a consequence, the scope of said claims is unclear and the subject-matter is not sufficiently disclosed and supported (Art. 5/6 PCT). Therefore, no meaningful search can be carried out for these claims (Art 17.2a (ii)).

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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# INTERNATIONAL SEARCH REPORT information on patent family members

international application No

PCT/CH 03/00153

| Patent document<br>cited in search report |    | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|-------------------------------------------|----|---------------------|----------------------------|---------------------|
| WO 0052135                                | A  | 08-09-2000          | AU 3508300 A               | 21-09-2000          |
|                                           |    |                     | CA 2363297 A1              | 08-09-2000          |
|                                           |    |                     | WO 0052135 A2              | 08-09-2000          |
|                                           |    |                     | US 2002142386 A1           | 03-10-2002          |
| US 2002019342                             | A1 | 14-02-2002          | AU 6314901 A               | 26-11-2001          |
|                                           |    |                     | EP 1285072 A2              | 26-02-2003          |
|                                           |    |                     | WO 0188117 A2              | 22-11-2001          |
|                                           |    |                     | US 2003003529 A1           | 02-01-2003          |
|                                           |    |                     | US 2003040037 A1           | 27-02-2003          |